

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

MPP

Date:	14.09.25	Job No.:	ADR Yes/No:	ADR Date:	ECN #: 14- 628
Product No.:	D119-646	Created By:	AK	Approved By:	
Product Name:	Skidtube Installation	Checked By:	DS		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	Y	NF	14-11-24
Production Manager / Coord.	Y	LL/MF	14-11-24
Purchasing Coord.	M	CL	14-11-24
Production Engineering Coord.	Y	DD/JLM	14.11.24
Production Engineering Coord.	N	DL	
Customer Order Processing	N	RMCS	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS	14-11-24
QC Coordinator	Y	DEB	14.11.24
Customer Support	Y	SW/LM	14.11.24
Customer Technical Support	Y	MB/HS	14.11.24
Marketing Manager	Y	KO/SE	14.11.24
Sales Support Manager	Y	MM	14.11.24

**Reason for Change:**  
Updated documents and drawings per customer and manufacturing feedback

**Documents Affected:**  
IIN-D119-646 Rev. C, ICA-D119-646 Rev. 2, D3847 Rev. C, D3849 Rev. E, D3887 Rev. D, D3905 Rev. D, D4132 Rev. C, D4133 Rev. C, D4134 Rev. C, D4135 Rev. B  
DSI 9685 Rev. A, D5101 Rev. A

**IF APPLICABLE:** NCR: ☐ PAR: 14-362/363 CAR: ☐ CIR: ☐ URF: ☐  
PAPERWORK UPDATE ☒ PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	Y	SW	Send updated IIN/ICA	15.01.06
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	AK	MDL-D119-646 Rev J	14.09.02 AK
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	Y	KJ		14.11.24
12	Update Product Specification Files (Bluefiles)	Y	KJ		14.11.24
13	Update Approved/Preliminary Dwg PDF Files	Y	KJ		14.11.24
14	Update Product Development Summary (STC applications)	N			
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	N			
16	Create/Update Parts / STC Database	Y	KJ		14.11.24
17	Update / Verify Airworthiness Release Certificate Database	Y	KJ	#131	14.11.24
18	Create / Update Change Record Form / Item Card Database	Y	KJ	See below	14.11.24
19	Create / Update Packaging Process Plan (PPP)	Y	KJ		
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ		
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		14.11.24
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	Y	KJ		14.11.24
24	Update "Royalty Paid to" attribute (Parts sold under Part USA STC's)	N			
25					

**Description / Action:**  
 - Update routes/BOMs to reflect new drawing revisions  
 - Update D119-646-013/-014/-113/-114/-213/-214 @ CHG 004  
 - Add updated IIN/ICA + DSI 9685 to product specifications file.  
 112714 - 213  
 112715, 102698 - 214  
 112723-114947-1136057-243 updated 15.01.11  
 DSI 9685-011 @ CHG001  
 D119-646-213/-214 @ CHG005  
 D119-646-043/-143/-243 @ CHG004 15.01.12

ECN Verified & Complete: ☒ Date: 15/1/06

## Linda Lacelle

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**From:** Harvey Siemens  
**Sent:** January-12-15 4:39 PM  
**To:** Linda Lacelle  
**Subject:** RE: ECN14-628

That is correct Linda.

It might be a few hours of time but the material shouldn't be that expensive.

Those were David's comments on the ECN, "Update D119-646-013/-014/-113/-114/-213/-214 to CHG 004 Which is this latest change". The skidtubes are fine it's just the float crossbolt spacers that are getting added.

Call me if you need a better explanation

Regards,

HS

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**From:** Linda Lacelle  
**Sent:** January-12-15 12:18 PM  
**To:** Harvey Siemens  
**Subject:** FW: ECN14-628

And do we really have to add all these parts to all kits in stk?? This seems like a lot of \$\$\$\$

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**From:** Kim Johnston  
**Sent:** January-12-15 2:10 PM  
**To:** Linda Lacelle  
**Subject:** RE: ECN14-628

Hi Linda,

Sorry for delay. Asked Mike P. and he agrees that chg# should go up. Bringing you a copy of ECN.

Thanks,

Kim Johnston

**Dart Aerospace**

*Engineering Clerk*

*Document Administrator*

*1270 Aberdeen Street*

*Hawkesbury, Ontario, K6A 1K7*

Email: [kjohnston@dartaero.com](mailto:kjohnston@dartaero.com)

Tel: 613-632-5200 ext. 226

Fax: 613-632-9311

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**From:** Linda Lacelle

**Sent:** Thursday, December 18, 2014 9:15 AM

**To:** Kim Johnston; Arkam Kindeel

**Cc:** David Shepherd

**Subject:** RE: ECN14-628

Anyone?

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**From:** Linda Lacelle

**Sent:** December-04-14 8:46 AM

**To:** Kim Johnston; Arkam Kindeel

**Cc:** David Shepherd

**Subject:** ECN14-628

Hi,

We received ECN14-628 and it only mentions D119-646-013/-014/-113/-114/-213/-214...should it not also mention D119-646-043/-143/-243??

Thx

Linda Lacelle

Production manager

**DART AEROSPACE**

T 1-613-632-5200 Ext: 235



# ENGINEERING CHANGE NOTICE

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MR

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DSI 9685 Rev. A, D5101 Rev. A

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PAPERWORK UPDATE



PARTS MUST COMPLY



PREVIOUS PARTS SATISFACTORY



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- Update D119-646-013/-014/-113/-114/-213/-214 to CHG 004
- Add updated IIN/ICA + DSI 9685 to product specifications file.

CHG 005

DSI 9685-011 @ CHG 001

pull from sth D119-

143 243

Bom's / Routes etc. D5101's used

ECN Verified & Complete:

Date:

# List Lots

January-15-15 8:06:46 AM

Page 1 of 1

Criteria : Item ID: 'D119-646-113', 'D119-646-114' All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D119-646-113	OFFSHORE	92607	11/21/13	1.0000	QC21	CHG003	129384 129385
Skidtube LH with Wearplates & Wearpads, DART (Apical) Tri-Bag Float Compatible	FG						
	OFFSHORE	93309	1/24/14	1.0000	QC21	CHG003	
	FG						
			<b>Total:</b>	2.0000			
D119-646-114	OFFSHORE	92608	10/07/13	1.0000	QC21	CHG003	129386 129388
Skidtube RH with Wearplates & Wearpads, DART (Apical) Tri-Bag Float Compatible	FG						
	OFFSHORE	93322	1/24/14	1.0000	QC21	CHG003	
	FG						
			<b>Total:</b>	2.0000			

9

# List Lots

January-15-15 8:07:00 AM

Page 1 of 1

Criteria : Item ID: D119-646-143 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D119-646-143 Replacement Skidtube with Wearplates & Wearpads, DART (Apical) Tri-Bag Float Compatible, Fits LH & R	Main Warehouse	109399	12/18/13	1.0000	QC21	CHG003	
	FG073						
	OFFSHORE FG	93178	12/18/13	1.0000	QC21	CHG003	
Total:				2.0000			

129389

129468

# List Lots

Page 1 of 1

January-15-15 8:07:28 AM

Criteria : Item ID: D119-646-243 All Locations All Warehouses All Quantity

Item ID	Warehouse ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Type Code	Comments
Item Name	Location ID				Lot Code		
D119-646-243 Replacement Skidtube with Run-on Landing Wearplates, DART (Apical) Tri-Bag Float Compatible, Fits LH	Main Warehouse	102702	12/06/13	1.0000	QC21	CHG003	129391 393 394
	FG073						
	OFFSHORE	102699	12/06/13	1.0000			
	FG						
	OFFSHORE	108743	12/09/13	1.0000	QC21	CHG003	
	FG						
Total:				3.0000			